



Seq. ID No: 12

SEQUENCE

MRGSGTGAAL LVLLASVLUWV TVRSQQRGLF PAILNLATNA HISANATCGE KGPEMFCKLV
 EHVPGRPVRH AQCRVCDGNS TNPRERHPIS HAIDGTNNWW QSPSIQNGRE YHWVTVTLDL
 RQVFQVAYII IKAANAPRPG NWILERSVDG VKFKPWQYYA VSDTECLTRY KITPRRGPPPT
 YRADNEVICT SYYSKLVPLE HGEIHTSLIN GRPSADDPSP QLELEFTSARY IRLRLQRIRT
 LNADLMTLH RDLRDLDPIV TRRYYYSIKD ISVGGMCICY GHASSCPWDE EAKQLQCQCE
 HNTCGESCDR CCPGYHQWPW RPCTISSGNE CEECNCHNKA KDCYYDSSVA KERRSLNTAG
 QYSGGGVCVN CSQNTTGINC ETCIDQYYRP HKVSPYDDHP CRPCNCDPVG SLSSVCIKDD
 RHADLANGKW PGQCPCKGY AGDKCDRCQF GYRGFPNCIP CDCRTVGSLN EDPCIEPCLC
 KKNVEGKNC RCKPGFYNLK ERNPEGCSEC FCFCGVSGVCD SLTWSISQVT NMSGWLVTDL
 MSTNKIRSQQ DVLGGHQRQIS INNTAVMQRL TSTYYWAAPE AYLGNKLTAF GGFLKYTVSY
 DIPVETVDSO LMSHADIIIK GNGLTISTRA EGLSLQPYEE YFNVVRLVPE NFRDFNTRRE
 IDRQLMVTI ANVTHLLIRA NYNSAKMALY RLDSVSLDIA SPNAIDLAVA ADVEHCECPQ
 GYTGTSCAEAC LPGYYRVDGI LFGGICQPCE CHGHASECDI HGICSVCTHN TTGDHCEQCL
 PGFYGTPSRG TPGDCQPCAC PLSIDSNNFS PTCHLTDGEE VVCDQCAPGY SGSWCERCAD
 GYYGNPTVPG GTCVPCNCSCG NVDPLAEGHC DSVTGECLKC LWNTDGAHCE RCADGFYGD
 VTAKNCRACD CHENGSLSGV CHLETGLCDC KPHVTGQQCD QCLSGYYGLD TGLGCVPNC
 SVEGSVSDNC TEEGQCHCGP GVSGKQCDRC SHGFYAFQDG GCTPCDCAHT QNNCDPASGE
 CLCPPHTQGL KCEECEEAYW GLDPEQGCQA CNCSAVGSTS AQCDVLSGHC PCKKGFGGQS
 CHQCSLGYRS FPDCVPCGCD LRGLTPDTCD LEQGLCSCSE DSGTCSCKEN VVGPQCSKCQ
 AGTFALRGDN PQGCSPCFCF GLSQLCSELE GYVRTLITLA SDQPLLHVVS QSNLKGTIEG
 VHFQPPDTLL DAEAVRQHIY AEPFYWRLPK QFQGDQLLAY GGKLQYSVAF YSTLGTGTSN
 YEPQVLIKGG RARKHVIYMD APAPENGVRQ DYEVQMKEEF WKYFNSVSEK HVTHSDFMSV
 LSNIDYLIK ASYGQGLQQS RIANISMEVG RKAELPAEG EAALLLELCV CPPGTAGHSC
 QDCAPGYYRE KLPESGGRGP RPLAPCVPC NCNNHSDVCD PETGKCLSCR DHTSGDHCEL
 CASGYYGKVT GLPGDCTPCT CPHHPPFSFS PTCVVEGDSF FRCNACLPGY EGQYCERCSA
 GYHGNPRAAG GSCQTCDNP QGSVHSDCDR ASGQCVCCKPG ATGLHCEKCL PRHILMESDC
 VSCDDDCVGP LLNLDLDSVGD AVLSLNLTGV SPAPYGILEN LENTTKYFQR YLIKENAKKI
 RAEIQLEGIA EQTENLQKEL TRVLARHQKV NAEMERTSNG TQALATFIEQ LHANIKEITE
 KVATLNQTAR KDFQPPVSAQ QSMHQNISSL LGLIKERNFT EMQQNATLEL KAAKDLLSRI
 QKRFQKPQEKLKALKEANSI LSNHSEKLOA AEELLKEAGS KTQESNLLL LVKANKEEF
 QEKKLRVQEE QNVTSELIAK GREWVDAAGT HTAAAQDTLT QLEHHRDELL LWARKIRSHV
 DLLVMQMSKR RARDLVHRAE QHASELQSRA GALDRDENV RVNSLNATSA AHVHSNIQTL
 TEEAEMLAAD AHKTANKTDL ISESLASRGK AVLQRSSRFL KESVGTRRKQ QGITMKLDEL
 KNLTSQFQES VDNITKQAND SLAMLRESPG GMREKGRKAR ELAAAANESA VKTLEDVLAL
 SLRVFNTSED LSRVNATVQE TNDDLHNSTM TTLLAGRKMK DMEMQANLLL DRLKPLKTLE
 ENLSRNLSEI KLLISRARKQ AASIKVAVSA DRDCIRAYQP QTSSSTNYNTL ILNVKTQEPD
 NLLFYLGSSS SSDFLAVERMR RGKVAFLWDL GSGSTRLEFP EVSINNNRWL SIYITRFGNM
 GSLSVKEASA AENPPVRTSK SPGPSVKLDI NNSTLMFVGG LGGQIKKSPA VKVTHFKGCM
 GEAFLNGKSI GLWNYIEREG KCNGCFGSSQ NEDSSFHFDG SGYAMVEKTL RPTVTQIVIL
 FSTFSPNGLL FYLASNGTKD FLSIELVRGR VKVMVLDLGSQ PLTLMTDRRY NNGTWYKIAF
 QRNRKQGLLA VFDAYDTSKD ETQQGETPGA ASDLNRLKD LIYVGLLPHS KAVRKGVSSR
 SYVGCINKLE ISRSTFDLLR NSYGVRKGCA LEPIQSVSFL RGGYVEMPPK SLSPESSLLA
 TFATKNSSGI LLVALGKDAE EAGGAQAHVP FFSIMLLEGR IEVHVNSGDG TSLRKALLHA
 PTGYSYSDGQE HSISLVRNRR VITIQVDENS PVEMLKGPLT EGKTIDISNL YIGGLPEDKA
 TPMLKMRTSF HGCINKNVLD AQLLDFTHAT GSEQVELDTC LLAEEPMQSL HREHGE~~L~~PPE
 PPTLPQPELC AVDTAPGYVA GAHQFGLSQN SHLVLPLNQS DVRKRLQVQL SIRTFASSGL
 IYYVAHQNM DYATLQLQEG RLHFMFDLGK GRTKVSHPAL LSDGKWHTVK TEYIKRKA
 TVDGQESPSTV TVVGNATTLD VERKLYLGGL PSHYRARNIG TITHSIPACI GEIMVNGQQL
 DKDRPLSASA VDRCYVVAQE GTFFEGSGYA ALVKEGYKVR LDLNITLEFR TTSKNGVLLG
 ISSAKVDAIG LEIVDGKVLF HVNNNGAGRIT ATYQPRAARA LCDGKWHTLQ AHKSCHRIVL
 TVDGNSVRAE SPHTHSTSAD TNDFIYVGYY PAHIQNCLS SRASFRGCVR NLRLSRGSQV
 QSLDLSSRAFD LQGVFPHSCP GPEP

FIGURE 10